

## Table J2. - Chemical Properties of the Soils

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Ab:								
Alhambra	0-15	5.0-13	---	8.5 - 9.0	1-5	0	0.0-2.0	1-5
	15-36	4.0-11	---	8.5 - 9.0	1-5	0	2.0-4.0	1-5
	36-60	0.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	1-5
AbC:								
Alhambra	0-15	5.0-13	---	8.5 - 9.0	1-5	0	0.0-2.0	1-5
	15-36	4.0-11	---	8.5 - 9.0	1-5	0	2.0-4.0	1-5
	36-60	0.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	1-5
Ac:								
Alhambra	0-15	11-19	---	9.1 - 11.0	1-5	0	4.0-8.0	5-12
	15-36	4.0-11	---	8.5 - 9.0	1-5	0	2.0-4.0	1-5
	36-60	0.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	1-5
Ad:								
Alhambra	0-10	10-19	---	8.5 - 9.0	1-5	0	0.0-4.0	1-5
	10-40	4.0-11	---	8.5 - 9.0	1-5	0	0.0-4.0	1-5
	40-60	6.0-13	---	8.5 - 9.0	1-5	0	0.0-4.0	1-5
Ah:								
Alhambra	0-10	10-17	---	9.1 - 11.0	1-5	0	16.0-32.0	13-30
	10-40	3.0-11	---	9.1 - 11.0	1-5	0	4.0-32.0	5-12
	40-60	0.0-6.0	---	8.5 - 9.0	1-5	0	4.0-32.0	5-12
Alhambra	0-10	4.0-11	---	9.1 - 11.0	1-5	0	4.0-8.0	5-12
	10-40	3.0-11	---	9.1 - 11.0	1-5	0	4.0-32.0	5-12
	40-60	0.0-6.0	---	8.5 - 9.0	1-5	0	4.0-32.0	5-12
Ak:								
Alhambra	0-15	5.0-13	---	8.5 - 9.0	1-5	0	0.0-2.0	1-5
	15-36	4.0-11	---	8.5 - 9.0	1-5	0	2.0-4.0	1-5
	36-60	0.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	1-5
Kobeh	0-7	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	7-24	3.0-10	---	6.6 - 9.0	0	0	0.0-4.0	0
	24-60	0.0-3.0	---	6.6 - 9.0	0-2	0	0.0-2.0	0
	60-70	0.0-6.0	---	6.6 - 9.0	0	0	0.0-2.0	0
Am:								
Alhambra	0-10	4.0-11	---	9.1 - 11.0	5-10	0	8.0-16.0	5-12
	10-40	3.0-11	---	9.1 - 11.0	1-5	0	4.0-32.0	5-12
	40-60	0.0-6.0	---	8.5 - 9.0	1-5	0	4.0-32.0	5-12
Kobeh	0-7	3.0-10	---	7.9 - 8.4	0	0	4.0-8.0	1-5
	7-24	3.0-7.0	---	7.4 - 8.4	0	0	0.0-4.0	0
	24-60	0.0-3.0	---	8.5 - 9.0	0-2	0	0.0-4.0	0

## Table J2. - Chemical Properties of the Soils - Continued

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Am:								
As:								
Alhambra	0-15	5.0-13	---	8.5 - 9.0	1-5	0	0.0-2.0	1-5
	15-36	4.0-11	---	8.5 - 9.0	1-5	0	2.0-4.0	1-5
	36-60	0.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	1-5
Shipley Variant	0-4	6.0-13	---	8.5 - 9.0	1-5	0	0.0-2.0	1-12
	4-32	3.0-9.0	---	8.5 - 9.0	2-5	0	0.0-2.0	1-12
	32-60	0.0-3.0	---	8.5 - 9.0	5-10	0	0.0-2.0	1-12
Shipley	0-3	3.0-13	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	3-60	3.0-11	---	7.9 - 9.0	2-5	0	2.0-4.0	1-12
AT:								
Atrypa	0-7	13-18	---	6.6 - 8.4	0	0	0.0	0
	7-13	11-16	---	7.4 - 9.0	1-3	0	0.0-2.0	1-5
	13-17	---	---	---	---	---	---	---
Atrypa	0-7	13-18	---	6.6 - 8.4	0	0	0.0	0
	7-13	11-16	---	7.4 - 9.0	1-3	0	0.0-2.0	1-5
	13-17	---	---	---	---	---	---	---
AY:								
Atrypa	0-7	13-18	---	6.6 - 8.4	0	0	0.0	0
	7-13	11-16	---	7.4 - 9.0	1-3	0	0.0-2.0	1-5
	13-17	---	---	---	---	---	---	---
Hopeka	0-7	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	7-11	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
BA:								
Bartine	0-14	15-21	---	7.9 - 9.0	20-30	0	0.0-2.0	0
	14-31	11-19	---	7.9 - 9.0	25-35	0	0.0-2.0	0
	31-35	---	---	---	---	---	---	---
Overland	0-8	11-19	---	7.9 - 9.0	20-30	0	0.0-2.0	1-5
	8-22	9.0-17	---	7.9 - 9.0	35-45	0	0.0-2.0	1-5
	22-26	---	---	---	---	---	---	---
BC:								
Bartine	0-14	15-21	---	7.9 - 9.0	20-30	0	0.0-2.0	0
	14-31	11-19	---	7.9 - 9.0	25-35	0	0.0-2.0	0
	31-35	---	---	---	---	---	---	---
Siri	0-5	11-19	---	7.4 - 9.0	1-2	0	0.0-2.0	0
	5-60	11-15	---	7.4 - 9.0	1-3	0	0.0-2.0	0

## Table J2. - Chemical Properties of the Soils - Continued

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
BC:								
BD:								
Bicondoa	0-11	25-40	---	7.9 - 9.0	0	0	4.0-8.0	0
	11-60	30-45	---	7.9 - 9.0	0	0	0.0-4.0	0
Dianev	0-2	16-21	---	8.5 - 9.0	1-10	0	16.0-32.0	13-45
	2-40	12-21	---	8.5 - 9.0	1-10	0-1	16.0-32.0	13-45
	40-60	11-18	---	8.5 - 9.0	1-10	0-2	8.0-16.0	5-12
Cumulic Haplaquolls	---	---	---	---	---	---	---	---
BGD:								
Bobs	0-4	10-20	---	7.9 - 9.0	20-30	0	0.0	0
	4-12	8.0-18	---	7.9 - 9.0	35-45	0	0.0-2.0	1-5
	12-16	---	---	---	---	---	---	---
Br:								
Bruffy	0-7	9.0-17	---	6.6 - 8.4	0-15	0	0.0-4.0	0
	7-35	12-21	---	7.9 - 8.4	1-15	0	2.0-8.0	0
	35-60	3.0-6.0	---	8.5 - 9.0	1-15	0	2.0-4.0	5-12
Bs:								
Bruffy	0-7	9.0-17	---	7.4 - 8.4	0-15	0	4.0-8.0	0
	7-35	12-21	---	7.9 - 8.4	1-15	0	2.0-8.0	0
	35-60	3.0-6.0	---	8.5 - 9.0	1-15	0	2.0-4.0	5-12
Bu:								
Bruffy	0-7	9.0-17	---	7.4 - 8.4	0-15	0	4.0-8.0	0
	7-35	12-21	---	7.9 - 8.4	1-15	0	2.0-8.0	0
	35-60	3.0-6.0	---	8.5 - 9.0	1-15	0	2.0-4.0	5-12
Kobeh	0-7	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	7-24	3.0-10	---	6.6 - 9.0	0	0	0.0-4.0	0
	24-60	0.0-3.0	---	6.6 - 9.0	0-2	0	0.0-2.0	0
	60-70	0.0-6.0	---	6.6 - 9.0	0	0	0.0-2.0	0
CfB:								
Credo	0-6	7.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-18	12-19	---	6.6 - 7.3	0	0	0.0	0
	18-34	15-21	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	34-60	3.0-9.0	---	7.9 - 9.0	0-1	0	0.0-2.0	1-12
CgC:								
Credo	0-6	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-18	12-19	---	6.6 - 7.3	0	0	0.0	0
	18-34	15-21	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	34-60	3.0-9.0	---	7.9 - 9.0	0-1	0	0.0-2.0	1-12

## Table J2. - Chemical Properties of the Soils - Continued

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CS:								
Croesus	0-9	12-27	---	6.1 - 7.3	0	0	0.0	0
	9-34	9.0-20	---	7.4 - 8.4	0	0	0.0	0
	34-38	---	---	---	---	---	---	---
Sheege	0-6	10-25	---	7.4 - 8.4	10-20	0	0.0	0
	6-17	5.0-20	---	7.9 - 9.0	30-50	0	0.0-2.0	1-13
	17-21	---	---	---	---	---	---	---
CY:								
Cyan	0-8	8.0-16	---	6.1 - 7.3	0	0	0.0	0
	8-17	32-42	---	6.1 - 7.3	0	0	0.0	0
	17-38	3.0-12	---	6.1 - 7.3	0	0	0.0	0
	38-60	3.0-6.0	---	6.1 - 7.3	0	0	0.0	0
Cyan	0-8	8.0-16	---	6.1 - 7.3	0	0	0.0	0
	8-17	32-42	---	6.1 - 7.3	0	0	0.0	0
	17-38	3.0-12	---	6.1 - 7.3	0	0	0.0	0
	38-60	3.0-6.0	---	6.1 - 7.3	0	0	0.0	0
DC:								
Devoy	0-12	13-22	---	6.6 - 7.3	0	0	0.0	0
	12-18	18-23	---	6.1 - 6.5	0	0	0.0	0
	18-30	32-40	---	6.1 - 6.5	0	0	0.0	0
	30-34	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
DE:								
Devoy	0-12	13-22	---	6.6 - 7.3	0	0	0.0	0
	12-18	18-23	---	6.1 - 6.5	0	0	0.0	0
	18-30	32-40	---	6.1 - 6.5	0	0	0.0	0
	30-34	---	---	---	---	---	---	---
Quarz	0-5	20-30	---	6.6 - 7.8	0	0	0.0	0
	5-30	30-50	---	6.6 - 7.8	0	0	0.0	0
	30-34	---	---	---	---	---	---	---
DN:								
Dianev	0-2	9.0-16	---	8.5 - 9.6	1-10	0	4.0-8.0	13-45
	2-40	12-21	---	7.9 - 9.0	1-10	0	4.0-8.0	13-45
	40-60	11-18	---	7.9 - 9.0	1-10	0	4.0-8.0	5-12
Playas	---	---	---	---	---	---	---	---
DO:								
Dianev	0-2	16-21	---	8.5 - 9.0	1-10	0	16.0-32.0	13-45
	2-40	12-21	---	8.5 - 9.0	1-10	0-1	16.0-32.0	13-45
	40-60	11-18	---	8.5 - 9.0	1-10	0-2	8.0-16.0	5-12

## Table J2. - Chemical Properties of the Soils - Continued

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
DO:								
Bicondoa	---	---	---	---	---	---	---	---
FAE:								
Fairydell	0-6	12-21	---	6.6 - 7.3	0	0	0.0	0
	6-23	13-19	---	7.9 - 8.4	0-2	0	0.0	0
	23-60	12-16	---	8.5 - 9.0	3-5	0	0.0-2.0	0
FR:								
Fera	0-11	11-19	---	6.6 - 7.3	0	0	0.0	0
	11-42	28-41	---	6.6 - 7.3	0	0	0.0	0
	42-46	---	---	---	---	---	---	---
Roca	0-4	13-19	---	6.1 - 7.3	0	0	0.0	0
	4-24	28-42	---	6.6 - 7.8	0	0	0.0	0
	24-28	---	---	---	---	---	---	---
FU:								
Fusulina	0-2	8.0-17	---	6.6 - 7.8	0	0	0.0	0
	2-12	8.0-17	---	6.6 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Sheege	0-4	10-25	---	7.4 - 8.4	10-20	0	0.0	0
	4-12	5.0-20	---	7.9 - 9.0	30-50	0	0.0-2.0	1-13
	12-16	---	---	---	---	---	---	---
GAE:								
Gabel	0-7	11-19	---	6.1 - 7.3	0	0	0.0	0
	7-15	12-22	---	6.1 - 7.3	0	0	0.0	0
	15-24	9.0-18	---	6.1 - 7.3	0	0	0.0	0
	24-28	---	---	---	---	---	---	---
GB:								
Gabel	0-7	11-19	---	6.1 - 7.3	0	0	0.0	0
	7-15	12-22	---	6.1 - 7.3	0	0	0.0	0
	15-24	9.0-18	---	6.1 - 7.3	0	0	0.0	0
	24-28	---	---	---	---	---	---	---
Badland	0-2	15-60	---	7.4 - 9.6	1-40	0-5	0.0-32.0	0-99
	2-60	---	---	---	---	---	---	---
GP:								
Pits	---	---	---	---	---	---	---	---
HaA:								
Hamacer	0-4	0.0-3.0	---	6.6 - 8.4	0	0	0.0	0
	4-60	0.0-3.0	---	6.6 - 8.4	0	0	0.0	0

## Table J2. - Chemical Properties of the Soils - Continued

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Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
HaA:								
HDD:								
Handy	0-4	14-19	---	6.6 - 7.8	0	0	0.0	0
	4-30	32-40	---	6.6 - 7.8	0-1	0	0.0	0
	30-60	3.0-9.0	---	7.9 - 9.0	2-5	0	0.0-2.0	1-5
HE:								
Hayeston	0-4	3.0-13	---	7.9 - 9.0	1-5	0	0.0-2.0	1-5
	4-27	3.0-11	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	27-60	3.0-6.0	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
Silverado	0-2	7.0-11	---	6.1 - 7.8	0	0	0.0	0
	2-13	6.0-10	---	6.1 - 7.8	0	0	0.0	0
	13-32	3.0-9.0	---	6.6 - 8.4	0	0	0.0-2.0	0
	32-60	0.0-3.0	---	7.9 - 9.0	1-2	0	0.0-2.0	0
HIA:								
Hottle	0-13	6.0-18	---	6.6 - 7.8	0	0	0.0	0
	13-28	6.0-12	---	6.6 - 7.8	0-1	0	0.0	0
	28-60	6.0-11	---	7.9 - 9.0	0-1	0	0.0-4.0	0
HmA:								
Hottle	0-13	6.0-18	---	6.6 - 7.8	0	0	0.0	0
	13-28	6.0-12	---	6.6 - 7.8	0-1	0	0.0	0
	28-60	6.0-11	---	7.9 - 9.0	0-1	0	0.0-4.0	0
HNB:								
Hottle	0-13	6.0-18	---	6.6 - 7.8	0	0	0.0	0
	13-28	6.0-12	---	6.6 - 7.8	0-1	0	0.0	0
	28-60	6.0-11	---	7.9 - 9.0	0-1	0	0.0-4.0	0
HO:								
Hopeka	0-7	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	7-11	---	---	---	---	---	---	---
Labshaft	0-14	15-30	---	7.9 - 9.0	10-20	0	0.0	0
	14-25	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	25-29	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
HS:								
Hopeka	0-7	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	7-11	---	---	---	---	---	---	---
Sheege	0-4	10-25	---	7.4 - 8.4	10-20	0	0.0	0
	4-12	5.0-20	---	7.9 - 9.0	30-50	0	0.0-2.0	1-13
	12-16	---	---	---	---	---	---	---

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Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
HS:								
HUB:								
Hussa	0-12	10-20	---	7.9 - 9.0	5-10	0	0.0-4.0	1-5
	12-36	15-25	---	6.6 - 9.0	1-10	0	0.0-4.0	0
	36-60	10-20	---	6.6 - 9.0	1-5	0	0.0-4.0	0
KbA:								
Kobeh	0-7	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	7-24	3.0-10	---	6.6 - 9.0	0	0	0.0-4.0	0
	24-60	0.0-3.0	---	6.6 - 9.0	0-2	0	0.0-2.0	0
KgA:								
Kobeh	0-7	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	7-40	3.0-10	---	6.6 - 9.0	0	0	0.0-4.0	0
	40-60	0.0-3.0	---	6.6 - 9.0	0-2	0	0.0-2.0	0
KHB:								
Kobeh	0-7	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	7-24	3.0-10	---	6.6 - 9.0	0	0	0.0-4.0	0
	24-60	0.0-3.0	---	6.6 - 9.0	0-2	0	0.0-2.0	0
	60-70	0.0-6.0	---	6.6 - 9.0	0	0	0.0-2.0	0
Km:								
Kobeh Variant	0-3	1.0-5.0	---	6.6 - 7.8	0	0	0.0	0
	3-21	3.0-10	---	6.6 - 7.8	0	0	0.0	0
	21-60	0.0-3.0	---	7.9 - 9.0	1-2	0	0.0-2.0	0
LAE:								
Labshaft	0-12	15-30	---	7.9 - 9.0	10-20	0	0.0	0
	12-19	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	19-23	---	---	---	---	---	---	---
Locane	0-5	13-19	---	6.1 - 7.3	0	0	0.0	0
	5-19	28-34	---	6.1 - 7.3	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
LAF:								
Labshaft	0-12	15-30	---	7.9 - 9.0	10-20	0	0.0	0
	12-19	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	19-23	---	---	---	---	---	---	---
Locane	0-5	13-19	---	6.1 - 7.3	0	0	0.0	0
	5-19	28-34	---	6.1 - 7.3	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
LK:								

## Table J2. - Chemical Properties of the Soils - Continued

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
LK:								
Labshaft	0-12	15-30	---	7.9 - 9.0	10-20	0	0.0	0
	12-19	10-20	---	7.9 - 9.0	30-50	0	0.0-2.0	0
	19-23	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
LmA:								
Lone	0-4	8.0-16	---	6.6 - 7.3	0	0	0.0	0
	4-14	9.0-20	---	6.6 - 7.3	0	0	0.0	0
	14-21	3.0-9.0	---	8.5 - 9.0	2-5	0	0.0-4.0	5-12
	21-30	3.0-6.0	---	8.5 - 9.0	2-5	0	0.0-4.0	5-12
	30-33	---	---	---	---	---	---	---
	33-60	0.0-3.0	---	8.5 - 9.0	2-5	0	0.0-4.0	5-12
LnB:								
Lone	0-4	8.0-16	---	6.6 - 7.3	0	0	0.0	0
	4-14	9.0-20	---	6.6 - 7.3	0	0	0.0	0
	14-21	3.0-9.0	---	8.5 - 9.0	2-5	0	0.0-4.0	5-12
	21-30	3.0-6.0	---	8.5 - 9.0	2-5	0	0.0-4.0	5-12
	30-33	---	---	---	---	---	---	---
	33-60	0.0-3.0	---	8.5 - 9.0	2-5	0	0.0-4.0	5-12
LR:								
Credo	0-6	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-18	12-19	---	6.6 - 7.3	0	0	0.0	0
	18-34	15-21	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	34-60	3.0-9.0	---	7.9 - 9.0	0-1	0	0.0-2.0	1-12
Lone	0-4	8.0-16	---	6.6 - 7.3	0	0	0.0	0
	4-14	9.0-20	---	6.6 - 7.3	0	0	0.0	0
	14-21	3.0-9.0	---	8.5 - 9.0	2-5	0	0.0-4.0	5-12
	21-30	3.0-6.0	---	8.5 - 9.0	2-5	0	0.0-4.0	5-12
	30-33	---	---	---	---	---	---	---
	33-60	0.0-3.0	---	8.5 - 9.0	2-5	0	0.0-4.0	5-12
Rito	0-10	13-19	---	6.6 - 7.3	0	0	0.0	0
	10-30	11-20	---	6.6 - 7.3	0	0	0.0	0
	30-60	3.0-12	---	7.9 - 8.4	1-3	0	0.0-2.0	0
MAE:								
Mau	0-6	8.0-25	---	6.1 - 7.3	0	0	0.0	0
	6-28	21-38	---	6.1 - 7.3	0	0	0.0	0
	28-34	18-36	---	7.9 - 9.0	1-5	---	0.0-2.0	5-12
	34-38	---	---	---	---	---	---	---
NaB:								



## Table J2. - Chemical Properties of the Soils - Continued

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
NaB:								
Nayped	0-7	1.0-10	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-16	9.0-14	---	7.4 - 8.4	0	0	0.0-4.0	0
	16-60	11-13	---	7.9 - 9.0	0	0	0.0-4.0	0-5
NdA:								
Nayped	0-7	11-17	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-16	9.0-14	---	7.4 - 8.4	0	0	0.0-4.0	0
	16-60	11-13	---	7.9 - 9.0	0	0	0.0-4.0	0-5
NdB:								
Nayped	0-7	11-17	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-16	9.0-14	---	7.4 - 8.4	0	0	0.0-4.0	0
	16-60	11-13	---	7.9 - 9.0	0	0	0.0-4.0	0-5
NK:								
Nayped	0-7	11-17	---	7.4 - 8.4	0	0	0.0-4.0	0
	7-16	9.0-14	---	7.4 - 8.4	0	0	0.0-4.0	0
	16-60	11-13	---	7.9 - 9.0	0	0	0.0-4.0	0-5
Kobeh	0-7	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	7-24	3.0-10	---	6.6 - 9.0	0	0	0.0-4.0	0
	24-60	0.0-3.0	---	6.6 - 9.0	0-2	0	0.0-2.0	0
Ns:								
Nevka	0-4	11-16	---	8.5 - 9.0	5-10	0	16.0-32.0	13-45
	4-37	11-15	---	9.1 - 11.0	10-20	0	4.0-8.0	13-30
	37-60	6.0-11	---	9.1 - 11.0	5-10	0	4.0-8.0	13-30
PeB:								
Pedoli	0-6	11-16	---	6.6 - 7.8	0	0	0.0	0
	6-25	15-23	---	7.9 - 9.0	0-5	0	0.0-4.0	1-5
	25-60	3.0-6.0	---	7.9 - 9.0	0-5	0	0.0-4.0	1-5
PL:								
Playas	0-6	35-65	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
PS:								
Playas	0-6	35-65	---	8.5 - 9.6	1-5	1-5	16.0-32.0	46-90
	6-60	30-60	---	8.5 - 9.6	1-10	1-10	16.0-32.0	46-90
Dianev	0-2	9.0-16	---	8.5 - 9.0	1-10	0	8.0-16.0	13-45
	2-40	12-21	---	8.5 - 9.0	1-10	0-1	16.0-32.0	13-45
	40-60	11-18	---	8.5 - 9.0	1-10	0-2	8.0-16.0	5-12
Bicondoa	---	---	---	---	---	---	---	---

## Table J2. - Chemical Properties of the Soils - Continued

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
<b>RAC:</b>								
Ratto	0-3	10-16	---	6.6 - 7.3	0	0	0.0	0
	3-20	28-38	---	6.6 - 7.3	0	0	0.0	0
	20-34	---	---	---	---	---	---	---
	34-60	0.0-1.0	---	8.5 - 9.0	5-10	0	0.0-4.0	1-12
<b>RCD:</b>								
Ratto	0-3	14-19	---	6.6 - 7.3	0	0	0.0	0
	3-20	28-38	---	6.6 - 7.3	0	0	0.0	0
	20-34	---	---	---	---	---	---	---
	34-60	0.0-1.0	---	8.5 - 9.0	5-10	0	0.0-4.0	1-12
<b>RD:</b>								
Ridit	0-8	11-19	---	6.6 - 7.3	0	0	0.0	0
	8-15	11-17	---	6.6 - 7.3	0	0	0.0	0
	15-31	11-15	---	7.9 - 9.0	2-3	0	0.0-2.0	1-5
	31-34	---	---	---	---	---	---	---
	34-38	---	---	---	---	---	---	---
<b>Alpha</b>								
	0-9	8.0-17	---	6.6 - 7.3	0	0	0.0	0
	9-17	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	17-36	12-20	---	6.6 - 7.3	0	0	0.0	0
	36-50	12-18	---	7.9 - 9.0	1-3	0	0.0-4.0	1-5
	50-54	---	---	---	---	---	---	---
<b>RfA:</b>								
Rubyhill	0-4	7.0-13	---	6.6 - 8.4	0	0	0.0-2.0	0
	4-21	12-20	---	7.4 - 8.4	0-1	0	0.0-2.0	0
	21-50	---	---	---	---	---	---	---
<b>RHC:</b>								
Rubyhill	0-4	7.0-13	---	6.6 - 8.4	0	0	0.0-2.0	0
	4-21	12-20	---	7.4 - 8.4	0-1	0	0.0-2.0	0
	21-50	---	---	---	---	---	---	---
<b>RL:</b>								
Rubyhill	0-4	8.0-16	---	6.6 - 8.4	0	0	0.0-2.0	0
	4-21	12-20	---	7.4 - 8.4	0-1	0	0.0-2.0	0
	21-50	---	---	---	---	---	---	---
<b>Rubyhill</b>								
	0-1	18-22	---	6.6 - 8.4	0	0	0.0-2.0	0
	1-20	12-20	---	7.4 - 8.4	0-1	0	0.0-2.0	0
	20-50	---	---	---	---	---	---	---
<b>SA:</b>								
Sader	0-5	12-15	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	5-25	21-40	---	8.5 - 9.6	1-5	0	4.0-8.0	13-45
	25-60	28-36	---	9.1 - 9.6	1-5	0	2.0-4.0	13-45

**Table J2. - Chemical Properties of the Soils - Continued**

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SA:								
Biconda	---	---	---	---	---	---	---	---
SD:								
Sader	0-5	9.0-15	---	8.5 - 9.0	1-5	0	4.0-8.0	13-30
	5-25	21-40	---	8.5 - 9.6	1-5	0	4.0-8.0	13-45
	25-60	28-36	---	9.1 - 9.6	1-5	0	2.0-4.0	13-45
Biconda	---	---	---	---	---	---	---	---
SE:								
Sheege	0-4	10-25	---	7.4 - 8.4	10-20	0	0.0	0
	4-12	5.0-20	---	7.9 - 9.0	30-50	0	0.0-2.0	1-13
	12-16	---	---	---	---	---	---	---
Croesus	0-9	12-27	---	6.1 - 7.3	0	0	0.0	0
	9-34	9.0-20	---	7.4 - 8.4	0	0	0.0	0
	34-38	---	---	---	---	---	---	---
SfB:								
Shipley	0-20	5.0-12	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	20-60	5.0-11	---	8.5 - 9.0	2-5	0	2.0-4.0	1-12
ShA:								
Shipley	0-3	5.0-12	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	3-60	5.0-11	---	8.5 - 9.0	2-5	0	2.0-4.0	1-12
SIA:								
Shipley	0-16	5.0-12	---	7.9 - 8.4	1-5	0	8.0-16.0	13-30
	16-60	5.0-11	---	7.9 - 9.0	2-5	0	2.0-8.0	1-12
SMA:								
Shipley	0-3	3.0-13	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	3-60	3.0-11	---	7.9 - 9.0	2-5	0	2.0-4.0	1-12
Sn:								
Shipley Variant	0-4	6.0-13	---	8.5 - 9.0	1-5	0	0.0-2.0	1-12
	4-32	3.0-9.0	---	8.5 - 9.0	2-5	0	0.0-2.0	1-12
	32-60	0.0-3.0	---	8.5 - 9.0	5-10	0	0.0-2.0	1-12
Shipley	0-3	5.0-12	---	7.9 - 9.0	1-5	0	0.0-2.0	0
	3-60	5.0-11	---	8.5 - 9.0	2-5	0	2.0-4.0	1-12
SoA:								
Silverado	0-2	7.0-11	---	6.1 - 7.8	0	0	0.0	0
	2-13	6.0-10	---	6.1 - 7.8	0	0	0.0	0
	13-32	3.0-9.0	---	6.6 - 8.4	0	0	0.0-2.0	0
	32-60	0.0-3.0	---	7.9 - 9.0	1-2	0	0.0-2.0	0

**Table J2. - Chemical Properties of the Soils - Continued**

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
SoA:								
SoB:								
Silverado	0-2	7.0-11	---	6.1 - 7.8	0	0	0.0	0
	2-13	6.0-10	---	6.1 - 7.8	0	0	0.0	0
	13-32	3.0-9.0	---	6.6 - 8.4	0	0	0.0-2.0	0
	32-60	0.0-3.0	---	7.9 - 9.0	1-2	0	0.0-2.0	0
SRD:								
Silverado	0-2	7.0-13	---	6.1 - 7.8	0	0	0.0	0
	2-13	6.0-10	---	6.1 - 7.8	0	0	0.0	0
	13-32	3.0-9.0	---	6.6 - 8.4	0	0	0.0-2.0	0
	32-60	0.0-3.0	---	7.9 - 9.0	1-2	0	0.0-2.0	0
StA:								
Silverado	0-2	11-19	---	6.6 - 7.8	0	0	0.0	0
	2-13	5.0-13	---	6.6 - 7.8	0	0	0.0	0
	13-32	3.0-9.0	---	6.6 - 7.8	0	0	0.0	0
	32-60	0.0-3.0	---	7.9 - 9.0	1-2	0	0.0-2.0	0
SUF:								
Siri	0-5	11-19	---	7.4 - 9.0	1-2	0	0.0-2.0	0
	5-60	11-15	---	7.4 - 9.0	1-3	0	0.0-2.0	0
SVB:								
Stampede	0-6	15-25	---	6.1 - 7.3	0	0	0.0	0
	6-23	25-35	---	6.6 - 7.8	0	0	0.0	0
	23-60	---	---	---	---	---	---	---
TAD:								
Tahquats	0-7	15-30	---	5.6 - 7.3	0	0	0.0	0
	7-24	15-25	---	5.6 - 7.3	0	0	0.0	0
	24-60	15-30	---	5.1 - 6.5	0	0	0.0	0
TCF:								
Tica	0-7	20-35	---	6.1 - 7.3	0	0	0.0	0
	7-12	25-35	---	5.6 - 7.3	0	0	0.0	0
	12-18	25-35	---	5.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
TK:								
Tica	0-7	20-35	---	6.1 - 7.3	0	0	0.0	0
	7-12	25-35	---	5.6 - 7.3	0	0	0.0	0
	12-18	25-35	---	5.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---

## Table J2. - Chemical Properties of the Soils - Continued

Diamond Valley Area, Nevada, Parts Of Elko, Eureka And White Pine Counties

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Tn:								
Tonkin	0-7	7.0-16	---	7.9 - 9.0	5-10	0	2.0-4.0	1-12
	7-39	11-16	---	8.5 - 9.0	15-30	0	2.0-4.0	13-30
	39-60	1.0-6.0	---	9.1 - 11.0	5-15	0	2.0-4.0	13-45
To:								
Tonkin	0-7	7.0-16	---	7.9 - 9.0	5-10	0	4.0-8.0	1-12
	7-39	11-17	---	8.5 - 9.6	15-30	0	2.0-8.0	13-30
	39-60	1.0-6.0	---	9.1 - 9.6	5-15	0	2.0-4.0	13-45
UMB:								
Umil	0-3	8.0-16	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	3-11	11-17	---	7.9 - 9.0	5-10	0	0.0-2.0	1-5
	11-34	---	---	---	---	---	---	---
	34-60	2.0-5.0	---	7.9 - 9.0	1-10	0	2.0-8.0	1-12
US:								
Umil	0-2	8.0-16	---	7.9 - 8.4	1-5	0	0.0-2.0	0
	2-11	11-17	---	7.9 - 9.0	5-10	0	0.0-2.0	1-5
	11-38	---	---	---	---	---	---	---
	38-60	2.0-5.0	---	7.9 - 9.0	1-10	0	2.0-8.0	1-12
Umil	0-3	11-19	---	6.6 - 8.4	1-5	0	0.0	0
	3-11	11-17	---	7.9 - 8.4	5-10	0	0.0-2.0	1-5
	11-34	---	---	---	---	---	---	---
	34-60	0.0-5.0	---	7.9 - 9.0	1-10	0	0.0-2.0	1-5
VN:								
Vinsad	0-2	3.0-9.0	---	6.6 - 9.0	1-5	0	16.0-32.0	0-12
	2-42	7.0-11	---	6.6 - 9.0	1-5	0-2	16.0-32.0	0-12
	42-60	28-36	---	7.9 - 9.0	1-5	0-5	16.0-32.0	0-12
W:								
Water Less Than 40 Acres	---	---	---	---	---	---	---	---